

Global Offshore Wind VSC-HVDC Converter Valve Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GFFF82A44BBCEN.html>

Date: September 2026

Pages: 102

Price: US\$ 3,480.00 (Single User License)

ID: GFFF82A44BBCEN

Abstracts

According to our (Global Info Research) latest study, the global Offshore Wind VSC-HVDC Converter Valve market size was valued at US\$ 1087 million in 2025 and is forecast to a readjusted size of US\$ 3843 million by 2032 with a CAGR of 19.2% during review period.

The Offshore Wind VSC-HVDC Converter Valve** is the core power conversion equipment used in flexible HVDC transmission systems for large-scale offshore wind farms in mid- to deep-sea and far-offshore areas. Typically employing fully controlled power semiconductors such as IGBTs and a modular multilevel (MMC) topology, these converters transform the AC power aggregated from the wind farm into high-voltage DC at the offshore converter station. The DC power is then transmitted to land via subsea DC cables, where it is converted back to AC at the onshore converter station and fed into the power grid.

In 2025, global sales of F-HVDC converter valves for offshore wind power reached 10,015 MW, with an average price of \$105.48/kW.

Development Trends

Upgrades from $\pm 320/500$ kV to $\pm 525/640$ kV and ± 800 kV

European offshore wind power has evolved from 900 MW-class platforms to 2 GW-class 525 kV platforms. Hitachi Energy's current HVDC Light technology capabilities now cover up to approximately 3,000 MW at the ± 640 kV level.

MMC Has Become the Absolute Mainstream

Traditional two-level and three-level VSCs are gradually being phased out of new large-scale projects in the high-voltage transmission sector. MMC has become the core architecture due to its advantages, including modularity, good voltage scalability, low harmonics, lower device switching frequencies, and ease of redundancy design.

Siemens' HVDC PLUS explicitly adopts the MMC; Mitsubishi's HVDC-Diamond also employs the MMC architecture, covering capacities ranging from 50 MW to over 1,000 MW.

IGBTs Remain Dominant, but IGCT Market Share Will Increase Significantly

Currently, high-voltage butt-jointed IGBTs still dominate the global commercial HVDC market. However, China is actively promoting the development of high-voltage, high-current IGCT technology.

Offshore wind power has become the largest source of demand in Europe

For deep-sea wind farms located 100–300 km or more from the coast, AC transmission is constrained by reactive power and cable charging currents, making HVDC significantly more economical.

In the future, the European North Sea will become the world's largest market for ± 525 kV, 2 GW-class VSC-HVDC converter valves. TenneT's 2 GW standardization plan has already shifted HVDC converter equipment procurement from "project-specific customization" to "platform-based bulk procurement."

Report Scope

This report is a detailed and comprehensive analysis for global Offshore Wind VSC-HVDC Converter Valve market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Offshore Wind VSC-HVDC Converter Valve market size and forecasts, in consumption value (\$ Million), sales quantity (MW), and average selling prices (US\$/KW), 2021-2032

Global Offshore Wind VSC-HVDC Converter Valve market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (MW), and average selling prices (US\$/KW), 2021-2032

Global Offshore Wind VSC-HVDC Converter Valve market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (MW), and average selling prices (US\$/KW), 2021-2032

Global Offshore Wind VSC-HVDC Converter Valve market shares of main players, shipments in revenue (\$ Million), sales quantity (MW), and ASP (US\$/KW), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Offshore Wind VSC-HVDC Converter Valve

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Offshore Wind VSC-HVDC Converter Valve market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Hitachi Energy Ltd., Siemens Energy AG, GE Vernova Inc., NR Electric Co., Ltd., XJ Electric Co., Ltd., Rongxin Huike Electric Co., Ltd., TBEA Co., Ltd., China XD Electric Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Offshore Wind VSC-HVDC Converter Valve market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market Segmentation

Market segment by Type

Below ± 320 kV

± 320 –400 kV

Above ± 400 kV to ± 525 kV

Above ± 525 kV

Market segment by Transmission Capacity

Below 1 GW

1–1.5 GW

Above 1.5–2 GW

Above 2 GW

Market segment by MMC Submodule Topology

Half-Bridge MMC Converter Valve

Full-Bridge MMC Converter Valve

Hybrid MMC Converter Valve

Other MMC Converter Valve

Market segment by Application

Fixed-bottom Offshore Wind Power Transmission

Floating Offshore Wind Power Transmission

Far-offshore Wind Power Transmission

Other

Major players covered

Hitachi Energy Ltd.

Siemens Energy AG

GE Vernova Inc.

NR Electric Co., Ltd.

XJ Electric Co., Ltd.

Rongxin Huike Electric Co., Ltd.

TBEA Co., Ltd.

China XD Electric Co., Ltd.

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

Chapter Outline

Chapter 1, to describe Offshore Wind VSC-HVDC Converter Valve product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Offshore Wind VSC-HVDC Converter Valve, with price, sales quantity, revenue, and global market share of Offshore Wind VSC-HVDC Converter Valve from 2021 to 2026.

Chapter 3, the Offshore Wind VSC-HVDC Converter Valve competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Offshore Wind VSC-HVDC Converter Valve breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Offshore Wind VSC-HVDC Converter Valve market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Offshore Wind VSC-HVDC Converter Valve.

Chapter 14 and 15, to describe Offshore Wind VSC-HVDC Converter Valve sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Below ± 320 kV

1.3.3 ± 320 –400 kV

1.3.4 Above ± 400 kV to ± 525 kV

1.3.5 Above ± 525 kV

1.4 Market Analysis by Transmission Capacity

1.4.1 Overview: Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Transmission Capacity: 2021 Versus 2025 Versus 2032

1.4.2 Below 1 GW

1.4.3 1–1.5 GW

1.4.4 Above 1.5–2 GW

1.4.5 Above 2 GW

1.5 Market Analysis by MMC Submodule Topology

1.5.1 Overview: Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by MMC Submodule Topology: 2021 Versus 2025 Versus 2032

1.5.2 Half-Bridge MMC Converter Valve

1.5.3 Full-Bridge MMC Converter Valve

1.5.4 Hybrid MMC Converter Valve

1.5.5 Other MMC Converter Valve

1.6 Market Analysis by Application

1.6.1 Overview: Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Fixed-bottom Offshore Wind Power Transmission

1.6.3 Floating Offshore Wind Power Transmission

1.6.4 Far-offshore Wind Power Transmission

1.6.5 Other

1.7 Global Offshore Wind VSC-HVDC Converter Valve Market Size & Forecast

1.7.1 Global Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity (2021-2032)

1.7.3 Global Offshore Wind VSC-HVDC Converter Valve Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Hitachi Energy Ltd.

2.1.1 Hitachi Energy Ltd. Details

2.1.2 Hitachi Energy Ltd. Major Business

2.1.3 Hitachi Energy Ltd. Offshore Wind VSC-HVDC Converter Valve Product and Services

2.1.4 Hitachi Energy Ltd. Offshore Wind VSC-HVDC Converter Valve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 Hitachi Energy Ltd. Recent Developments/Updates

2.2 Siemens Energy AG

2.2.1 Siemens Energy AG Details

2.2.2 Siemens Energy AG Major Business

2.2.3 Siemens Energy AG Offshore Wind VSC-HVDC Converter Valve Product and Services

2.2.4 Siemens Energy AG Offshore Wind VSC-HVDC Converter Valve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 Siemens Energy AG Recent Developments/Updates

2.3 GE Vernova Inc.

2.3.1 GE Vernova Inc. Details

2.3.2 GE Vernova Inc. Major Business

2.3.3 GE Vernova Inc. Offshore Wind VSC-HVDC Converter Valve Product and Services

2.3.4 GE Vernova Inc. Offshore Wind VSC-HVDC Converter Valve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 GE Vernova Inc. Recent Developments/Updates

2.4 NR Electric Co., Ltd.

2.4.1 NR Electric Co., Ltd. Details

2.4.2 NR Electric Co., Ltd. Major Business

2.4.3 NR Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Product and Services

2.4.4 NR Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 NR Electric Co., Ltd. Recent Developments/Updates

2.5 XJ Electric Co., Ltd.

2.5.1 XJ Electric Co., Ltd. Details

2.5.2 XJ Electric Co., Ltd. Major Business

2.5.3 XJ Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Product and

Services

2.5.4 XJ Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 XJ Electric Co., Ltd. Recent Developments/Updates

2.6 Rongxin Huike Electric Co., Ltd.

2.6.1 Rongxin Huike Electric Co., Ltd. Details

2.6.2 Rongxin Huike Electric Co., Ltd. Major Business

2.6.3 Rongxin Huike Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Product and Services

2.6.4 Rongxin Huike Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 Rongxin Huike Electric Co., Ltd. Recent Developments/Updates

2.7 TBEA Co., Ltd.

2.7.1 TBEA Co., Ltd. Details

2.7.2 TBEA Co., Ltd. Major Business

2.7.3 TBEA Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Product and Services

2.7.4 TBEA Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 TBEA Co., Ltd. Recent Developments/Updates

2.8 China XD Electric Co., Ltd.

2.8.1 China XD Electric Co., Ltd. Details

2.8.2 China XD Electric Co., Ltd. Major Business

2.8.3 China XD Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Product and Services

2.8.4 China XD Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 China XD Electric Co., Ltd. Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: OFFSHORE WIND VSC-HVDC CONVERTER VALVE BY MANUFACTURER

3.1 Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Manufacturer (2021-2026)

3.2 Global Offshore Wind VSC-HVDC Converter Valve Revenue by Manufacturer (2021-2026)

3.3 Global Offshore Wind VSC-HVDC Converter Valve Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Offshore Wind VSC-HVDC Converter Valve by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Offshore Wind VSC-HVDC Converter Valve Manufacturer Market Share in 2025

3.4.3 Top 6 Offshore Wind VSC-HVDC Converter Valve Manufacturer Market Share in 2025

3.5 Offshore Wind VSC-HVDC Converter Valve Market: Overall Company Footprint Analysis

3.5.1 Offshore Wind VSC-HVDC Converter Valve Market: Region Footprint

3.5.2 Offshore Wind VSC-HVDC Converter Valve Market: Company Product Type Footprint

3.5.3 Offshore Wind VSC-HVDC Converter Valve Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Offshore Wind VSC-HVDC Converter Valve Market Size by Region

4.1.1 Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Region (2021-2032)

4.1.2 Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Region (2021-2032)

4.1.3 Global Offshore Wind VSC-HVDC Converter Valve Average Price by Region (2021-2032)

4.2 North America Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032)

4.3 Europe Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032)

4.4 Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032)

4.5 South America Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032)

4.6 Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

5.1 Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type

(2021-2032)

5.2 Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Type
(2021-2032)

5.3 Global Offshore Wind VSC-HVDC Converter Valve Average Price by Type
(2021-2032)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application
(2021-2032)

6.2 Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by
Application (2021-2032)

6.3 Global Offshore Wind VSC-HVDC Converter Valve Average Price by Application
(2021-2032)

7 NORTH AMERICA

7.1 North America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type
(2021-2032)

7.2 North America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by
Application (2021-2032)

7.3 North America Offshore Wind VSC-HVDC Converter Valve Market Size by Country

7.3.1 North America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by
Country (2021-2032)

7.3.2 North America Offshore Wind VSC-HVDC Converter Valve Consumption Value
by Country (2021-2032)

7.3.3 United States Market Size and Forecast (2021-2032)

7.3.4 Canada Market Size and Forecast (2021-2032)

7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

8.1 Europe Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type
(2021-2032)

8.2 Europe Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application
(2021-2032)

8.3 Europe Offshore Wind VSC-HVDC Converter Valve Market Size by Country

8.3.1 Europe Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Country
(2021-2032)

8.3.2 Europe Offshore Wind VSC-HVDC Converter Valve Consumption Value by Country (2021-2032)

8.3.3 Germany Market Size and Forecast (2021-2032)

8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

9.1 Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Market Size by Region

9.3.1 Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2021-2032)

10.2 South America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2021-2032)

10.3 South America Offshore Wind VSC-HVDC Converter Valve Market Size by Country

10.3.1 South America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Country (2021-2032)

10.3.2 South America Offshore Wind VSC-HVDC Converter Valve Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Market Size by Country

11.3.1 Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 Offshore Wind VSC-HVDC Converter Valve Market Drivers

12.2 Offshore Wind VSC-HVDC Converter Valve Market Restraints

12.3 Offshore Wind VSC-HVDC Converter Valve Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Offshore Wind VSC-HVDC Converter Valve and Key Manufacturers

13.2 Manufacturing Costs Percentage of Offshore Wind VSC-HVDC Converter Valve

13.3 Offshore Wind VSC-HVDC Converter Valve Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Offshore Wind VSC-HVDC Converter Valve Typical Distributors

14.3 Offshore Wind VSC-HVDC Converter Valve Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Transmission Capacity, (USD Million), 2021 & 2025 & 2032

Table 3. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by MMC Submodule Topology, (USD Million), 2021 & 2025 & 2032

Table 4. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Hitachi Energy Ltd. Basic Information, Manufacturing Base and Competitors

Table 6. Hitachi Energy Ltd. Major Business

Table 7. Hitachi Energy Ltd. Offshore Wind VSC-HVDC Converter Valve Product and Services

Table 8. Hitachi Energy Ltd. Offshore Wind VSC-HVDC Converter Valve Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Hitachi Energy Ltd. Recent Developments/Updates

Table 10. Siemens Energy AG Basic Information, Manufacturing Base and Competitors

Table 11. Siemens Energy AG Major Business

Table 12. Siemens Energy AG Offshore Wind VSC-HVDC Converter Valve Product and Services

Table 13. Siemens Energy AG Offshore Wind VSC-HVDC Converter Valve Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. Siemens Energy AG Recent Developments/Updates

Table 15. GE Vernova Inc. Basic Information, Manufacturing Base and Competitors

Table 16. GE Vernova Inc. Major Business

Table 17. GE Vernova Inc. Offshore Wind VSC-HVDC Converter Valve Product and Services

Table 18. GE Vernova Inc. Offshore Wind VSC-HVDC Converter Valve Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. GE Vernova Inc. Recent Developments/Updates

Table 20. NR Electric Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 21. NR Electric Co., Ltd. Major Business

Table 22. NR Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Product and

Services

Table 23. NR Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. NR Electric Co., Ltd. Recent Developments/Updates

Table 25. XJ Electric Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 26. XJ Electric Co., Ltd. Major Business

Table 27. XJ Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Product and Services

Table 28. XJ Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. XJ Electric Co., Ltd. Recent Developments/Updates

Table 30. Rongxin Huike Electric Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 31. Rongxin Huike Electric Co., Ltd. Major Business

Table 32. Rongxin Huike Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Product and Services

Table 33. Rongxin Huike Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Rongxin Huike Electric Co., Ltd. Recent Developments/Updates

Table 35. TBEA Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 36. TBEA Co., Ltd. Major Business

Table 37. TBEA Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Product and Services

Table 38. TBEA Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. TBEA Co., Ltd. Recent Developments/Updates

Table 40. China XD Electric Co., Ltd. Basic Information, Manufacturing Base and Competitors

Table 41. China XD Electric Co., Ltd. Major Business

Table 42. China XD Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Product and Services

Table 43. China XD Electric Co., Ltd. Offshore Wind VSC-HVDC Converter Valve Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. China XD Electric Co., Ltd. Recent Developments/Updates

Table 45. Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Manufacturer (2021-2026) & (MW)

Table 46. Global Offshore Wind VSC-HVDC Converter Valve Revenue by Manufacturer (2021-2026) & (USD Million)

Table 47. Global Offshore Wind VSC-HVDC Converter Valve Average Price by Manufacturer (2021-2026) & (US\$/KW)

Table 48. Market Position of Manufacturers in Offshore Wind VSC-HVDC Converter Valve, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 49. Head Office and Offshore Wind VSC-HVDC Converter Valve Production Site of Key Manufacturer

Table 50. Offshore Wind VSC-HVDC Converter Valve Market: Company Product Type Footprint

Table 51. Offshore Wind VSC-HVDC Converter Valve Market: Company Product Application Footprint

Table 52. Offshore Wind VSC-HVDC Converter Valve New Market Entrants and Barriers to Market Entry

Table 53. Offshore Wind VSC-HVDC Converter Valve Mergers, Acquisition, Agreements, and Collaborations

Table 54. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 55. Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Region (2021-2026) & (MW)

Table 56. Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Region (2027-2032) & (MW)

Table 57. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Region (2021-2026) & (USD Million)

Table 58. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Region (2027-2032) & (USD Million)

Table 59. Global Offshore Wind VSC-HVDC Converter Valve Average Price by Region (2021-2026) & (US\$/KW)

Table 60. Global Offshore Wind VSC-HVDC Converter Valve Average Price by Region (2027-2032) & (US\$/KW)

Table 61. Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2021-2026) & (MW)

Table 62. Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2027-2032) & (MW)

Table 63. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Type (2021-2026) & (USD Million)

Table 64. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by

Type (2027-2032) & (USD Million)

Table 65. Global Offshore Wind VSC-HVDC Converter Valve Average Price by Type (2021-2026) & (US\$/KW)

Table 66. Global Offshore Wind VSC-HVDC Converter Valve Average Price by Type (2027-2032) & (US\$/KW)

Table 67. Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2021-2026) & (MW)

Table 68. Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2027-2032) & (MW)

Table 69. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Application (2021-2026) & (USD Million)

Table 70. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Application (2027-2032) & (USD Million)

Table 71. Global Offshore Wind VSC-HVDC Converter Valve Average Price by Application (2021-2026) & (US\$/KW)

Table 72. Global Offshore Wind VSC-HVDC Converter Valve Average Price by Application (2027-2032) & (US\$/KW)

Table 73. North America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2021-2026) & (MW)

Table 74. North America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2027-2032) & (MW)

Table 75. North America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2021-2026) & (MW)

Table 76. North America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2027-2032) & (MW)

Table 77. North America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Country (2021-2026) & (MW)

Table 78. North America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Country (2027-2032) & (MW)

Table 79. North America Offshore Wind VSC-HVDC Converter Valve Consumption Value by Country (2021-2026) & (USD Million)

Table 80. North America Offshore Wind VSC-HVDC Converter Valve Consumption Value by Country (2027-2032) & (USD Million)

Table 81. Europe Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2021-2026) & (MW)

Table 82. Europe Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2027-2032) & (MW)

Table 83. Europe Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2021-2026) & (MW)

Table 84. Europe Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2027-2032) & (MW)

Table 85. Europe Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Country (2021-2026) & (MW)

Table 86. Europe Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Country (2027-2032) & (MW)

Table 87. Europe Offshore Wind VSC-HVDC Converter Valve Consumption Value by Country (2021-2026) & (USD Million)

Table 88. Europe Offshore Wind VSC-HVDC Converter Valve Consumption Value by Country (2027-2032) & (USD Million)

Table 89. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2021-2026) & (MW)

Table 90. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2027-2032) & (MW)

Table 91. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2021-2026) & (MW)

Table 92. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2027-2032) & (MW)

Table 93. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Region (2021-2026) & (MW)

Table 94. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Region (2027-2032) & (MW)

Table 95. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Consumption Value by Region (2021-2026) & (USD Million)

Table 96. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Consumption Value by Region (2027-2032) & (USD Million)

Table 97. South America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2021-2026) & (MW)

Table 98. South America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Type (2027-2032) & (MW)

Table 99. South America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2021-2026) & (MW)

Table 100. South America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Application (2027-2032) & (MW)

Table 101. South America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Country (2021-2026) & (MW)

Table 102. South America Offshore Wind VSC-HVDC Converter Valve Sales Quantity by Country (2027-2032) & (MW)

Table 103. South America Offshore Wind VSC-HVDC Converter Valve Consumption

Value by Country (2021-2026) & (USD Million)

Table 104. South America Offshore Wind VSC-HVDC Converter Valve Consumption

Value by Country (2027-2032) & (USD Million)

Table 105. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Sales

Quantity by Type (2021-2026) & (MW)

Table 106. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Sales

Quantity by Type (2027-2032) & (MW)

Table 107. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Sales

Quantity by Application (2021-2026) & (MW)

Table 108. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Sales

Quantity by Application (2027-2032) & (MW)

Table 109. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Sales

Quantity by Country (2021-2026) & (MW)

Table 110. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Sales

Quantity by Country (2027-2032) & (MW)

Table 111. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve

Consumption Value by Country (2021-2026) & (USD Million)

Table 112. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve

Consumption Value by Country (2027-2032) & (USD Million)

Table 113. Offshore Wind VSC-HVDC Converter Valve Raw Material

Table 114. Key Manufacturers of Offshore Wind VSC-HVDC Converter Valve Raw
Materials

Table 115. Offshore Wind VSC-HVDC Converter Valve Typical Distributors

Table 116. Offshore Wind VSC-HVDC Converter Valve Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Offshore Wind VSC-HVDC Converter Valve Picture
- Figure 2. Global Offshore Wind VSC-HVDC Converter Valve Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Offshore Wind VSC-HVDC Converter Valve Revenue Market Share by Type in 2025
- Figure 4. Below ± 320 kV Examples
- Figure 5. ± 320 –400 kV Examples
- Figure 6. Above ± 400 kV to ± 525 kV Examples
- Figure 7. Above ± 525 kV Examples
- Figure 8. Global Offshore Wind VSC-HVDC Converter Valve Revenue by Transmission Capacity, (USD Million), 2021 & 2025 & 2032
- Figure 9. Global Offshore Wind VSC-HVDC Converter Valve Revenue Market Share by Transmission Capacity in 2025
- Figure 10. Below 1 GW Examples
- Figure 11. 1–1.5 GW Examples
- Figure 12. Above 1.5–2 GW Examples
- Figure 13. Above 2 GW Examples
- Figure 14. Global Offshore Wind VSC-HVDC Converter Valve Revenue by MMC Submodule Topology, (USD Million), 2021 & 2025 & 2032
- Figure 15. Global Offshore Wind VSC-HVDC Converter Valve Revenue Market Share by MMC Submodule Topology in 2025
- Figure 16. Half-Bridge MMC Converter Valve Examples
- Figure 17. Full-Bridge MMC Converter Valve Examples
- Figure 18. Hybrid MMC Converter Valve Examples
- Figure 19. Other MMC Converter Valve Examples
- Figure 20. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 21. Global Offshore Wind VSC-HVDC Converter Valve Revenue Market Share by Application in 2025
- Figure 22. Fixed-bottom Offshore Wind Power Transmission Examples
- Figure 23. Floating Offshore Wind Power Transmission Examples
- Figure 24. Far-offshore Wind Power Transmission Examples
- Figure 25. Other Examples
- Figure 26. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 27. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 28. Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity (2021-2032) & (MW)

Figure 29. Global Offshore Wind VSC-HVDC Converter Valve Price (2021-2032) & (US\$/KW)

Figure 30. Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Manufacturer in 2025

Figure 31. Global Offshore Wind VSC-HVDC Converter Valve Revenue Market Share by Manufacturer in 2025

Figure 32. Producer Shipments of Offshore Wind VSC-HVDC Converter Valve by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 33. Top 3 Offshore Wind VSC-HVDC Converter Valve Manufacturer (Revenue) Market Share in 2025

Figure 34. Top 6 Offshore Wind VSC-HVDC Converter Valve Manufacturer (Revenue) Market Share in 2025

Figure 35. Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Region (2021-2032)

Figure 36. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value Market Share by Region (2021-2032)

Figure 37. North America Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 38. Europe Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 39. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 40. South America Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 41. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 42. Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Type (2021-2032)

Figure 43. Global Offshore Wind VSC-HVDC Converter Valve Consumption Value Market Share by Type (2021-2032)

Figure 44. Global Offshore Wind VSC-HVDC Converter Valve Average Price by Type (2021-2032) & (US\$/KW)

Figure 45. Global Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Application (2021-2032)

Figure 46. Global Offshore Wind VSC-HVDC Converter Valve Revenue Market Share

by Application (2021-2032)

Figure 47. Global Offshore Wind VSC-HVDC Converter Valve Average Price by Application (2021-2032) & (US\$/KW)

Figure 48. North America Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Type (2021-2032)

Figure 49. North America Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Application (2021-2032)

Figure 50. North America Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Country (2021-2032)

Figure 51. North America Offshore Wind VSC-HVDC Converter Valve Consumption Value Market Share by Country (2021-2032)

Figure 52. United States Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 53. Canada Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 54. Mexico Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 55. Europe Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Type (2021-2032)

Figure 56. Europe Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Application (2021-2032)

Figure 57. Europe Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Country (2021-2032)

Figure 58. Europe Offshore Wind VSC-HVDC Converter Valve Consumption Value Market Share by Country (2021-2032)

Figure 59. Germany Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 60. France Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 61. United Kingdom Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 62. Russia Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 63. Italy Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 64. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Type (2021-2032)

Figure 65. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Application (2021-2032)

Figure 66. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Region (2021-2032)

Figure 67. Asia-Pacific Offshore Wind VSC-HVDC Converter Valve Consumption Value Market Share by Region (2021-2032)

Figure 68. China Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 69. Japan Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 70. South Korea Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 71. India Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 72. Southeast Asia Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 73. Australia Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 74. South America Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Type (2021-2032)

Figure 75. South America Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Application (2021-2032)

Figure 76. South America Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Country (2021-2032)

Figure 77. South America Offshore Wind VSC-HVDC Converter Valve Consumption Value Market Share by Country (2021-2032)

Figure 78. Brazil Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 79. Argentina Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 80. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Type (2021-2032)

Figure 81. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Application (2021-2032)

Figure 82. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Sales Quantity Market Share by Country (2021-2032)

Figure 83. Middle East & Africa Offshore Wind VSC-HVDC Converter Valve Consumption Value Market Share by Country (2021-2032)

Figure 84. Turkey Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 85. Egypt Offshore Wind VSC-HVDC Converter Valve Consumption Value

(2021-2032) & (USD Million)

Figure 86. Saudi Arabia Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 87. South Africa Offshore Wind VSC-HVDC Converter Valve Consumption Value (2021-2032) & (USD Million)

Figure 88. Offshore Wind VSC-HVDC Converter Valve Market Drivers

Figure 89. Offshore Wind VSC-HVDC Converter Valve Market Restraints

Figure 90. Offshore Wind VSC-HVDC Converter Valve Market Trends

Figure 91. Porters Five Forces Analysis

Figure 92. Manufacturing Cost Structure Analysis of Offshore Wind VSC-HVDC Converter Valve in 2025

Figure 93. Manufacturing Process Analysis of Offshore Wind VSC-HVDC Converter Valve

Figure 94. Offshore Wind VSC-HVDC Converter Valve Industrial Chain

Figure 95. Sales Channel: Direct to End-User vs Distributors

Figure 96. Direct Channel Pros & Cons

Figure 97. Indirect Channel Pros & Cons

Figure 98. Methodology

Figure 99. Research Process and Data Source

I would like to order

Product name: Global Offshore Wind VSC-HVDC Converter Valve Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/GFFF82A44BBCEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GFFF82A44BBCEN.html>